STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT & CONSERVATION

REQUEST FOR PROPOSALS # 32701-03644 AMENDMENT # 1 FOR COMPLETELY OPERATIONAL DUAL PHASE VACUUM EXTRACTION AND GROUNDWATER TREATMENT SYSTEMS AND TECHNICAL SUPPORT

DATE: 2/19/2019

RFP # 32701-03644 IS AMENDED AS FOLLOWS:

1. **This RFP Schedule of Events updates and confirms scheduled RFP dates.** Any event, time, or date containing revised or new text is highlighted.

EVENT	TIME (central time zone)	DATE
1. RFP Issued		January 16, 2019
2. Disability Accommodation Request Deadline	2:00 p.m.	January 22, 2019
3. Pre-response Conference	10:00 a.m.	January 25, 2019
4. Notice of Intent to Respond Deadline	2:00 p.m.	January 30, 2019
5. Written "Questions & Comments" Deadline	2:00 p.m.	February 6, 2019
6. State Response to Written "Questions & Comments"		February 19, 2019
7. Response Deadline	2:00 p.m.	February 26, 2019
8. State Completion of Technical Response Evaluations		March 4, 2019
9. State Opening & Scoring of Cost Proposals	2:00 p.m.	March 5, 2019
10. Negotiations (optional)		March 6-7, 2019
11. State Notice of Intent to Award Released and RFP Files Opened for Public Inspection	8:00 a.m.	March 8, 2019
12. End of Open File Period		March 15, 2019
13. State sends contract to Contractor for signature		March 16, 2019
14. Contractor Signature Deadline	2:00 p.m.	March 22, 2019

2. State responses to questions and comments in the table below amend and clarify this RFP.

Any restatement of RFP text in the Question/Comment column shall NOT be construed as a change in the actual wording of the RFP document.

RFP SECTION	PAGE #	QUESTION / COMMENT	STATE RESPONSE
	24	1 On the top of page 24, the discharge/transfer pumps are specified to be a minimum 40 gpm & 1.5 HP, wheas the bottom of page 24 calls the discharge/transfer pumps to be a minimum of 50 gpm or 3.0 HP. Which is correct?	On pages 23 and 24, section C.4 of the RFP requires the manufacturer to provide specifications for a 15 gpm system with a minimum 40 gpm and 1.5 hp discharge/transfer pump. On pages 24 and 25, section C.5 of the RFP requires the manufacturer to provide specifications for a 50 gpm system with a minimum 50 gpm and 3.0 hp discharge/transfer pump.
		2 What are the specifications for waste storage and secondary containment for the treatment units?	There is no set volume specification for secondary containment but should be able to contain the anticipated amount of fluids in the system at any point in time along with an associated sensor and alarm. The Corrective Action Contractor (CAC) operating the unit is responsible for waste storage management.
		3 Is there a breakdown available of which existing systems will be scrapped vs. which will require upgrades/retrofitting/maintenance during the contract? If so, what is the specific scope for each unit?	At this time, approximately 95 to 135 systems may be placed into service following a standard refurbishment in accordance with section A.8 of the pro forma contract. All existing systems are to be upgraded with a digital telemetry system. The state may surplus between 10 and 50 systems during the contract period.
		4 Can drawings, bills of materials, specifications, photographs, etc. of the existing units be provided for review?	Yes. Attached.
C.4		5 What is the minimum air stripping removal efficiency required? This same question applies to C.5 (50 gpm DPVE and Groundwater Treatment System)	Specific removal efficiencies are not defined. However, removal efficiencies should be as such to meet effluent discharge permit requirements and site specific cleanup levels.
C.4		6 What is the minimum acceptable bag filter size? Size 1 units are 7" diameter x 16" long, Size 2 are 7" diameter and 32" long. Size 2 is typically the standard for UST projects, but size 1 are lower in cost. This same questions applies to C.5 (50 gpm DPVE and Groundwater Treatment System)	Size 2 bag filters are required for both 15 gpm and 50 gpm systems.
C.4		7 Can the air compressor be oil lubricated or must it be oil free? Is there a minimum CFM capacity required? Is a heat exchanger required for the air compressor, for instance in case nonmetal pipe is used? This same question applies to C.5 (50 gpm DPVE and Groundwater Treatment System)	For both 15 gpm and 50 gpm systems, air compressors should be oil free. There is no minimum CFM capacity for air compressors and heat exchangers are not required for air compressors.
C.4		8 Can sieve tray air stripper be substituted for aeration tube design? This same question applies to C.5 (50 gpm DPVE and Groundwater Treatment System)	No.

RFP SECTION	PAGE #	QUESTION / COMMENT	STATE RESPONSE
C.4		9 Can polyethylene air strippers be substituted for stainless steel? This same question applies to C.5 (50 gpm DPVE and Groundwater Treatment System)	Yes, as long as polyethylene air strippers can support the weight of associated equipment, such as blowers.
C.7		10 How soon after contract award must the manufacturer be certified by a NRTL?	NRTL certification is required upon the first order (aka Notice to Proceed (NTP)) from the state.
C.7		11 If a PLC is utilized, and the consultant requests a change in operations, are these changes a billable task prior to and/or after the warranty period ends? Is the use of a PLC for the logic control allowed?	All change requests will go through the state for any approval. Any changes will be a time and material task per occurrence and on a site specific basis. A PLC may be allowed if part of the digital telemetry.
C.8		12 Do the drawings submitted with the proposal need to be stamped by a Tennessee P.E.?	No.
C.8		13 If a fixed wall enclosure is provided, what is the minimum clearance around each major component you require?	Fixed wall enclosures are not permitted.
C.8		14 Is there a maximum footprint size for the system enclosure for the 15 gpm Completely Operational DPVE and Groundwater Treatment System (C.4) and the 50 gpm Completely Operational DPVE and Groundwater Treatment System (C.5)?	There is not a maximum footprint requirement for 15 gpm or 50 gpm systems. However, it is desirable for the system enclosures to match the current footprint of existing systems, which are 8.5' x 12' for 15 gpm systems and 8.5' x 20' for 50 gpm systems.
C.8		15 What is the maximum acceptable weight of a removable wall panel?	There is no maximum acceptable weight for removable wall panels but should be within OSHA standards for a single person lift.
C.9		16 Are costs for 208 volt to be included in the lump sum costs? If not, how will these costs be addressed?	Yes.
C.9		17 Do you have an estimated percentage of 208 volt vs 240 volt systems that will be required?	Voltage requirements for systems are based on site specific conditions that are determined during the development of the Corrective Action Plan (CAP) for a site. At this time, approximately 55% of existing systems are 208 volt.
C.11		18 Will the proposer be required to provide Corrective Action Specialist certification program training on the existing equipment or only new equipment?	The proposer is required to provide Corrective Action Specialist certification training program for existing and new equipment. Section C.11 of the RFP requires Corrective Action Specialist certification program and annual refresher training. Section A.10 of the pro forma contract requires that the Contractor shall provide as requested by the State, additional technical training including, but not limited to, presentations at annual staff meetings, annual State attended conferences, Corrective Action Contractor (CAC) training, and annual and refresher Corrective Action System (CAS) Specialist training/certification for CACs and State staff. To confirm the above, the contractor shall provide Corrective Action Specialist certification when requested by the state, regardless of the number of CACs and their staff requesting certification.
C.11		19 Is there a price limit on	Yes, the initial certification program training cost

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		the Corrective Action Specialist certification program training?	is not to exceed $1,500. The cost for an annual refresher course is not to exceed $750.
C.11		20 Can you estimate how many training events and their duration, that are to be included at no cost per this RFP?	It is anticipated that there may be approximately twenty (20), one day duration, no cost training events during the contract period.
C.11		21 Will all no cost training events be located in Tennessee?	Yes.
C.12.3		22 When performing a refurbishment, do replacement parts need to be OEM or can we substitute?	When possible, OEM replacement parts should be used, unless otherwise approved by the state.
C.12.4		23 If additional parts, but not a complete major assembly, need to be replaced, for example the OWS packing or a man door, will we be paid on a time and material basis to replace them?	Additional parts may be approved to be replaced based on time and material quote(s) provided to the state for approval on an as needed basis.
C.12.4		24 If parts, not included in C.12.3, are missing or broken when a system is brought in, will we be paid on a time and material basis to replace those items? For example, if the system was vandalized on site during the monitoring period, but not repaired, and then shipped to the contractor for refurbishment.	Replacement parts may be approved based on time and material quote(s) provided to the state for approval on an as needed basis.
C.12		25 Will equipment be cleaned and decontaminated prior to pick up for refurbishment and or storage?	The CAC operating the system is responsible for cleaning the equipment prior to pick up.
C.12		26 Will used carbon be removed on site prior to pick up for refurbishment and or storage? If removed on site, who will be responsible for the costs?	Used carbon may not be removed on site prior to pick up of the system for refurbishment and or storage. The removal and disposal costs are to be included in the total cost under this Contract to refurbish a DPVE and groundwater treatment system. On an as needed basis, the state may request a quote for carbon removal and disposal for systems in storage.
C.12		27 Confirm costs for onloading and offloading systems at the site are not the responsibility of the contractor.	Onloading and offloading oversight costs will be the responsibility of the CACs receiving and removing the system(s).
C.12		28 If systems are picked up and transported to the contractor's yard, but not refurbished, how will the contractor be compensated for the inbound freight and eventual removal from the yard?	The state may request a quote for inbound freight costs and for outbound freight costs to and from the yard, if and when it is determined by the state that the system(s) in storage will not be refurbished.
C.16		29 Please confirm a new manual is required with each refurbished system	A new manual is required for each new and refurbished system.
C.17		30 Does the turnaround time affect the score in this section?	Yes.
C.18		31 Does the turnaround time affect the score in this section?	Yes.
C.21		32 Due to many types of pressure washers in the market place could you provide some more detail on the pressure washer requirement such as: - Electric or Gas. If electric how many	Section C.21 of the RFP requires a description and type of pressure washer and the manufacturer specifications, which are to be provided in all new and refurbished systems. Pressure washers are to be sufficient enough to effectively clean systems, able to be stored in

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		amps and voltage requirement? - In order to get a quality unit, we will need to know GPM @ PSI rating?	systems, be operated and moved by a single person. If electric powered, they should not draw amperage and voltage higher than the electrical limits of new and refurbished systems. If gasoline powered, it must be demonstrated that they are suitable for environmental remediation sites.
C.22		33 Is the air velocity meter to be provided a hand-held type? If not please elaborate. What is the required range and accuracy?	The air velocity meter should be a hand held type. For cost purposes, it should be noted that all current systems have nickel-sized holes in the AOS exhaust stack and in the stripperator exhaust stack to collect air velocity and temperature measurements. The air velocity meters must work with the existing and new systems. The required range is: Air Velocity: 0-4,000 feet/minute and Temperature: 0-200 degrees Fahrenheit
A.7.a; A.7.b		34 Many professionals routinely provide opinions on estimated time to clean up, well locations, screen placement and other remediation design decisions as detailed in each Corrective Action Plan. As evidenced by the end results, some of these opinions are only marginally correct and some are based on outdated or rudimentary concepts. Advanced levels of expertise, analysis and modeling tools will affect the costs, accuracy, and most importantly, the usefulness of the result. Please clarify the minimum qualifications of the individual, the tools required to perform these analyses and the technical abilities required. Some of the basic skills we believe are required: □ The ability to estimate depth-to-water (DTW) at well locations when no data are present, including before the well was installed, in between samples and if a well was destroyed afterwards up until the present time? □ Can the contractor estimate the probability of observing different water levels for different rain year types? □ Can the contractor estimate radius of effective mass reductions rather than just radius of influence (ROIs) using available data even if no vacuum response data is available? □ Will the contractor be able to generate 2D source mass probability distributions over different vertical layers over time to evaluate a remedies performance and identify missed mass? □ Can the contractor identify if multiple sources are present, without product being present? □ Can the contractor use historical daily, monthly and yearly average DTWs even	The specific level of expertise, methodology, data input, and data output are not specified in the RFP. However, the individual performing the advanced data analysis assessment and/or conceptual remedial design recommendation should have a minimum of 10 years of UST investigation and clean-up experience.

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		before well exists over a long period to determine the probability of exposing source bottoms to vapor recovery or for high water levels that establish the top depth of effective injections?	
A.8		35 What is the maximum time limit to pick up a unit after notification?	The pick up schedule may vary and is determined by the state.
A.8		36 So that we can estimate trucking, where in Tennessee are these units located? A.8: who is the manufacturer of these used units?	Current unit locations are presented in the attached map. MK Environmental is the manufacturer of the used units.
A.8		37 Do you have a breakdown of the ages of these used units?	The units were manufactured between 2009 and 2013. 96 units were manufactured in 2009, 39 units were manufactured in 2010, 34 units were manufactured in 2011, 18 units were manufactured in 2012 and 3 units were manufactured in 2013.
A.9		38 Who is responsible for security and insurance of the TDEC owned units while in storage at the manufacturer's yard?	The contractor. The state has a storage yard at a state owned facility where the bulk of the systems will be stored. It is anticipated that only systems sent for refurbishment will be at the contractor's location.
A.9		39 Will a monthly storage fee for each unit be allowed?	No.
A.9		40 Approximately how many units must we be able to store at a time?	The number of units may vary, but it is anticipated 20 units at any one time.
A.11		41 Please confirm that off gas treatment equipment is not included in the costs of this proposal, and that we are not required to meet any air effluent limitations with the equipment in this RFQ.	The costs for off gas treatment equipment is not included in the costs of this proposal. The state may request a time and material quote for maintenance, repair, parts and freight for existing off gas treatment equipment owned by the state on an as needed basis. Section A.11 of the pro forma contract requires the Contractor shall design each completely operation DPVE and groundwater treatment system to meet or exceed minimum air and water effluent discharge requirements specified by the applicable permitting authority, including off-gas treatment as determined by the State.
A.11.f		42 Can the oil water separate be gravity (non-coalescing) type?	No.
A.11.g		43 Given that we are required to provide a parts and labor warranty, will we be allowed to use alternate materials in lieu of Schedule 80 PVC, such as schedule 40 PVC and or metal fittings with hose?	No.
A.11.i		44 Can the telemetry be land line based or must it be cellular? How are costs for phone/data service for the first and subsequent years to be paid for?	The telemetry should be cellular, unless otherwise approved by the state. Initial costs for phone/data service may be paid through the initial Order or Notice to Proceed directly to the contractor. Costs for subsequent years of phone/data service may be paid through the contractor or the CAC operating the system.
A.16		45 If shipped to a TDEC	Yes.

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		owned storage facility in Tennessee is this also property of the state after successful delivery?	
A.17		46 If a system was started up January 1, 2012, shut down December 1, 2016, and remained on site until it was shipped to the factory June 1, 2017, is this a < 5 year unit or a > 5 year unit?	This is a < 5 year unit.
A.17		47 Referring to the example above, if the system was restarted March 1, 2017 and ran for two months, how does that impact the warranty determination?	This unit would be considered to be a > 5 year unit and would require a six (6) month warranty if it were to be later refurbished in accordance with section A.17.b of the pro forma contract.
A.17		48 Please clarify if we replace a major component during refurbishment on a >5 year old unit, is the warranty on the new part 6 months, 12 months, or 18 months.	This unit would require a six (6) month warranty and the minimum warranty shall cover all system components, travel and labor after the system startup date as outlined in section A.17 of the pro forma contract.
A.17		49 Please clarify if 5 months after start up, we replace, under warranty, a major component on a >5 year old unit, is the warranty on the new part 1 month, 12 months, or 18 months.	A one (1) month warranty would be correct and the applicable warranty shall cover all system components, travel and labor after the system startup date as outlined in section A.17 of the pro forma contract. A one (1) month warranty on that specific major component would be correct unless the manufacturer's warranty on that specific major component is a longer duration.
A.18		50 Please clarify if the end date of the contract has any impact on the warranty periods	At this time, the warranty period would extend past the period of the contract.
A.18		51 Please clarify the terms provision and acceptance and clarify when the warranty period begins and ends? For example, a > 5 year old refurbished system is delivered to the site on February 1, 2020. Start up is April 1, 2020. When does the warranty begin and end?	For this specific scenario, the warranty period for this unit would begin April 1, 2020 and would end on October 1, 2020.
C.3.b.3		52 Is travel time and mileage for non-warranty repair billable? If so, is it according to C.4?	Yes and yes. Quotes from the contractor for non-warranty tasks shall include estimated travel time and mileage within the state. Mileage rates must be in accordance with the current state of Tennessee travel regulations.
C.3.b.4		53 Is offsite telephone technical support for non warranty items billable?	No.
C.3.b.9		54 Given the variability and range of data available on any given site, can this item be provided on a per hour rate? Same question for C.3.b.10	No.
D.33		55 Please confirm the contract, invoicing and payment will be made through the State of Tennessee and will nontaxable.	The State of Tennessee is tax exempt and therefore not subject to paying Tennessee Sales Tax. Any tax requirements for your business should be addressed with the Tennessee Department of Revenue.

3. **RFP Amendment Effective Date.** The revisions set forth herein shall be effective upon release. All other terms and conditions of this RFP not expressly amended herein shall remain in full force and effect.